



# AHT1U

## LOW VOLTAGE ASYNCHRONOUS HTU-C LINE CARD

### PRODUCT FEATURES

- RS-232 maintenance port
- 784 kbps dual duplex 2B1Q HDSL transmission over two wire pairs
- Front panel status LEDs conforming to the appearance and function of typical Litespan line cards
- Performance monitoring and alarm reporting
- Low power consumption
- -135 volt span powering capability of the Low Voltage HDSL Range Extender (HRE) and HDSL Transceiver Unit, Remote (HTU-R)
- Troubleshooting functionality
- Licensed by the DSC Corporation
- Supports DSC Litespan software release 7.1.3 or later
- Can be used in Litespan 2000, Litespan 2012, and Litespan ONU channel banks

The ADTRAN Low Voltage Asynchronous Litespan HDSL Transceiver Unit for the central office (HTU-C) is a DS1 interface unit that provides T1 service over four-wire interface facilities. The Low Voltage Litespan HTU-C combine ADTRAN HDSL technology and DSC Litespan technology to provide an HDSL interface to a Litespan system.

ADTRAN's Low Voltage Litespan HTU-C is Licensed by DSC to safely operate in Litespan 2000 and Starspan systems. The unit is licensed under the Asynchronous High bit-rate Digital Subscriber Line T1 Interface Unit (AHT1U) channel unit type.

The Low Voltage Litespan HTU-C can be used in Litespan 2000, Litespan 2012, and Litespan ONU channel bank assembly systems containing Litespan system software versions of 7.1.3 or higher.

The ADTRAN provides the HTU-C products for narrowband and wideband connections. The Litespan HTU-C is compatible with all ADTRAN HDSL transceivers for remote sites (HTU-R) and the HDSL Range Extension (HRE).

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# Product Specifications

## LOOP INTERFACE

- *Modulation Type:* 2B1Q
- *Mode:* Full duplex, echo cancelling
- *Number of pairs:* Two
- *Bit Rate:* 784 kbps per pair
- *Baud Rate:* 392 kbps per pair
- *Service Range:* Defined by CSA guidelines
- *Loop Loss:* 36 dB maximum @ 200kHz
- *Bridged Taps:* Single Taps <2 kft, total taps ≤ 2.5 kft
- *Performance:* Compliant with Bellcore TA-NWT-001210
- *HDSL Tx Signal Level:* 13.5 dBm
- *Imput Impedance:* 135Ω
- *Return Loss:* 20 dB (40 kHz to 200 kHz)

## DIAGNOSTICS

- Local loopback (HTU-C)
- Remote loopback (HTU-R)
- Troubleshooting screen

## MOUNTING

- Litespan 2000 DBA, Litespan 2012 CBA, or an ONU CBA

## ENVIRONMENT

- *Operating (standard):* -40° to 70°C
- *Storage Temperature:* -40° to 85°C

## PHYSICAL

- *Dimensions:* 4.42" H, 0.84" W, 10.4" D
- *Weight:* Less than one pound
- *Humidity:* Up to 95% non-condensing

## POWER

- *Max Power Dissipation HTU-C and HTU-R:* < 4 watts
- *Span Power:* -135 VDC internally generated from the -48 VDC

# Ordering Information

## EQUIPMENT

## PART #

AHT1U HTU-C for DSC Litespan

AHT1U Narrowband

Wideband Wiring.....1245002L6

Call for individual module information.

Specifications subject to change without notice.



I.S. EN ISO 9001

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